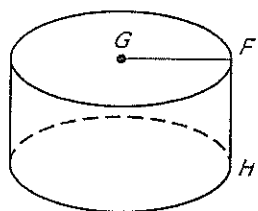


NAME: _____ Per: _____

HW#133 Surface Area of Prisms and Cylinders
Geometry: DUE Tue, April 14th, 2014

Failure to show all work will result in a LaSalle!
Round all answers to 2 decimal places.

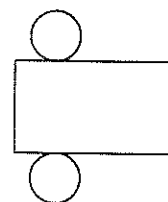
1) Use the diagram at the below.



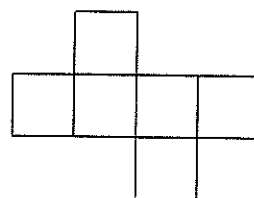
- Give the mathematical name of the solid:
- What kind of figure is each base?
- Name the radius of the solid:
- Name the height of the solid:

2) Name the solid that can be formed by the net.

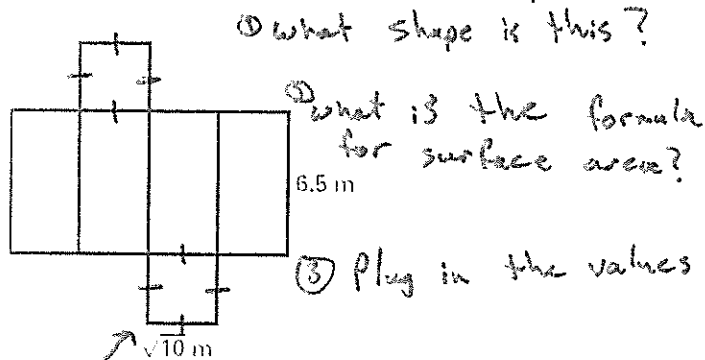
a. _____



b. _____

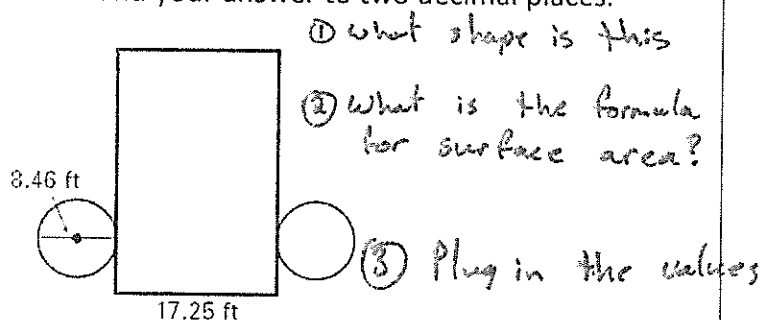


3) Find the surface area of the solid formed by the net. Round your answer to two decimal places.

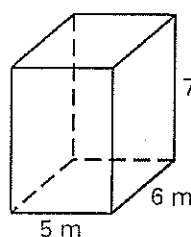


Square!

4) Find the surface area of the solid formed by the net. Round your answer to two decimal places.

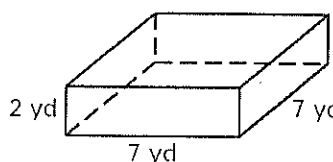


5) Find the surface area of the rectangular prism. Round your answer to two decimal places.



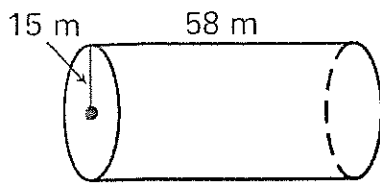
- What shape is this?
- What is the formula for surface area?
- Plug in the values

6) Find the surface area of the prism. Round your answer to two decimal places.



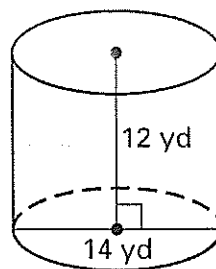
- What shape is this?
- What is the formula for surface area?
- Plug in the values

7) Find the surface area of the right cylinder. Round your answer to two decimal places.



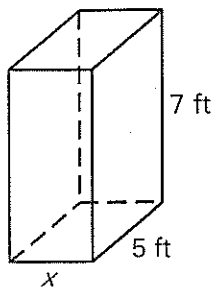
- ① What shape
② What's the formula
③ Plug in values

8) Find the surface area of the right cylinder. Round your answer to two decimal places.

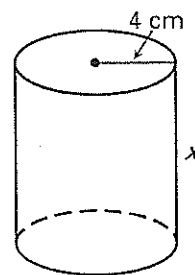


- ① What shape
② What's the formula
③ Plug in values

9) Solve for x given the surface area S of the rectangular prism. Round your answer to two decimal places. $S = 142 \text{ ft}^2$



10) Solve for x given the surface area S of the right cylinder. Round your answer to two decimal places. $S = 326.73 \text{ cm}^2$



Review: Show work or justify your answer for all problems. If you just circle an answer, you will receive LaSalle.

1. What percent of 24 is 18?

Reminder: Show work on all problems!

- a. 75%
b. 150%
c. 25%
d. $33\frac{1}{3}\%$
e. $133\frac{1}{3}\%$

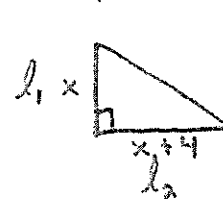
2. A DVD player with a list price of \$100 is marked down 30%. If John gets an employee discount of 20% off the sale price, how much does John pay for the DVD player?

- a. \$86.00
b. \$77.60
c. \$56.00
d. \$50.00
e. \$44.00

3. Include a drawing:

One leg of a right triangle is 4 inches longer than its other leg. The sum of the lengths of the two legs is 10 inches. What is the area, in square inches, of the triangle?

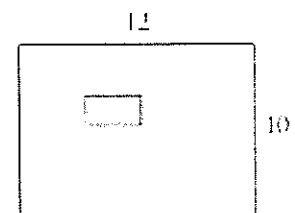
- F. 9
G. 10.5
H. 15
J. 17.5
K. 31



$$l_1 + l_2 = 10$$

- ① Find x
② What is area for of a triangle
③ Plug in values

Alexander is replacing his kitchen floor tiles. The kitchen floor is rectangular and has dimensions 10 feet by 12 feet. He does not need to tile underneath the small rectangular counter in the middle of the kitchen. When he is finished replacing the floor tiles, he finds that he only used 100 square feet of new tiles. What is the area, in square feet, of the counter?



- A. 10
B. 15
C. 20
D. 22
E. 25